

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/062760 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/US2004/041631

(22) International Filing Date:
13 December 2004 (13.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/529,011 12 December 2003 (12.12.2003) US

(71) Applicant (for all designated States except US): UNIVERSITY OF ROCHESTER [US/US]; 601 Elmwood Avenue, Box 706, Rochester, NY 14642 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CHANG, Chawnsiang [US/US]; 19 Sandy Lane, Pittsford, NY 14534 (US).

(74) Agents: SPRATT, Gwendolyn, D. et al.; Needle & Rosenberg, P.C., Suite 1000, 999 Peachtree Street, Atlanta, GA 30309-3915 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/062760 A2

(54) Title: NON-ANDROGEN DEPENDENT ROLES FOR ANDROGEN RECEPTOR AND NON-ANDROGEN RELATED INHIBITORS OF ANDROGEN RECEPTOR

(57) Abstract: Disclosed are compositions and methods for modulating AR activity, such as non-androgen dependent AR activity. Also disclosed are compositions and methods for diagnosing breast cancer and for inhibiting breast cancer growth. In addition, disclosed are methods for identifying molecules that inhibit AR in non-androgen dependent ways.